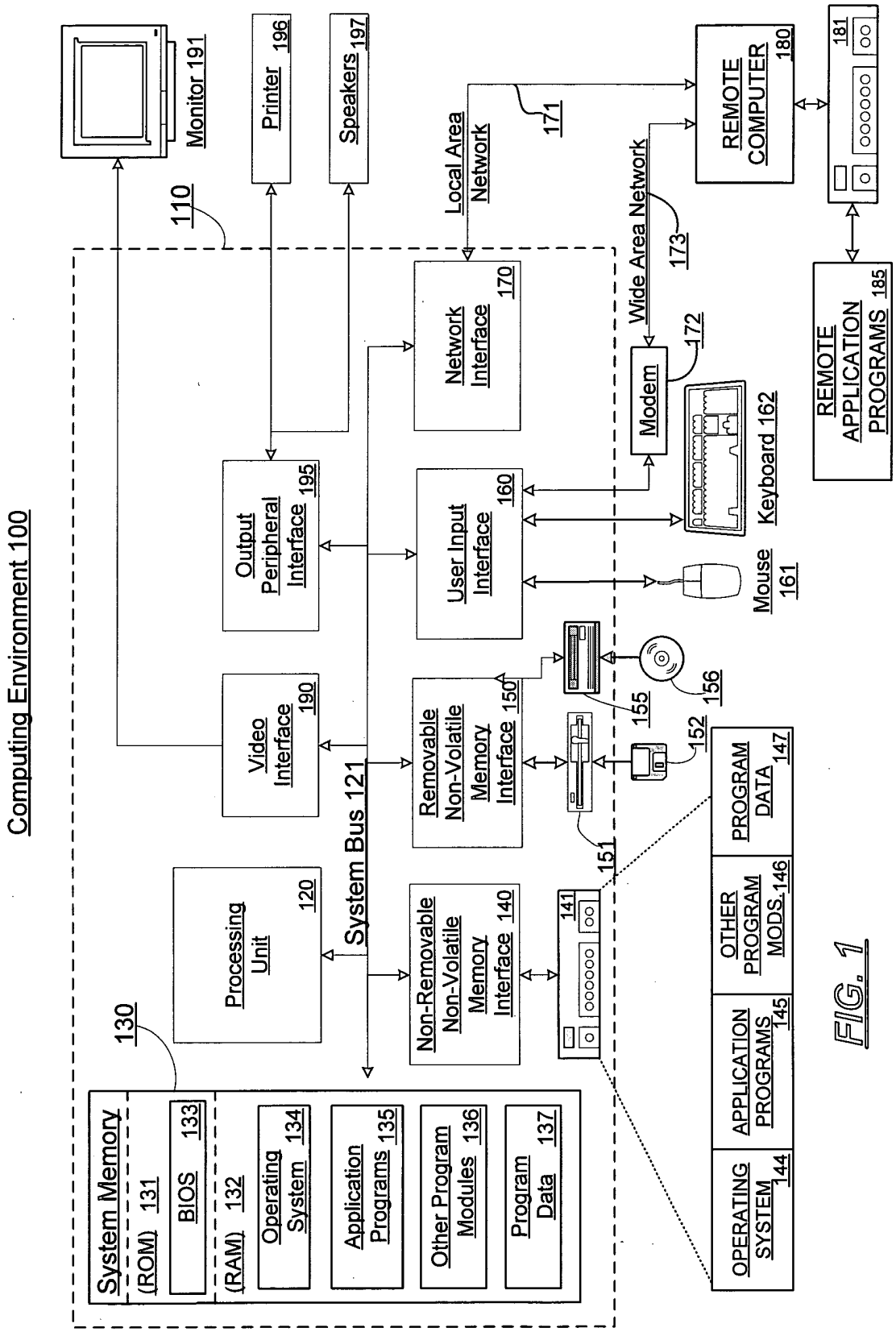
Computing Environment 100
Monitor 191
Printer 196
Speakers 197
110
Local Area Network
171
REMOTE COMPUTER 180
181
Wide Area Network
173
Network Interface 170
Modem 172
REMOTE APPLICATION PROGRAMS 185
Output Peripheral Interface 195
User Input Interface 160
Keyboard 162
Mouse 161
Video Interface 190
Removable Non-Volatile Memory Interface 150
155
156
152
151
System Bus 121
Processing Unit 120
Non-Removable Non-Volatile Memory Interface 140
141
130
System Memory
(ROM) 131
BIOS 133
(RAM) 132
Operating System 134
Application Programs 135
Other Program Modules 136
Program Data 137
OPERATING SYSTEM 144
APPLICATION PROGRAMS 145
OTHER PROGRAM MODS. 146
PROGRAM DATA 147

FIG. 1

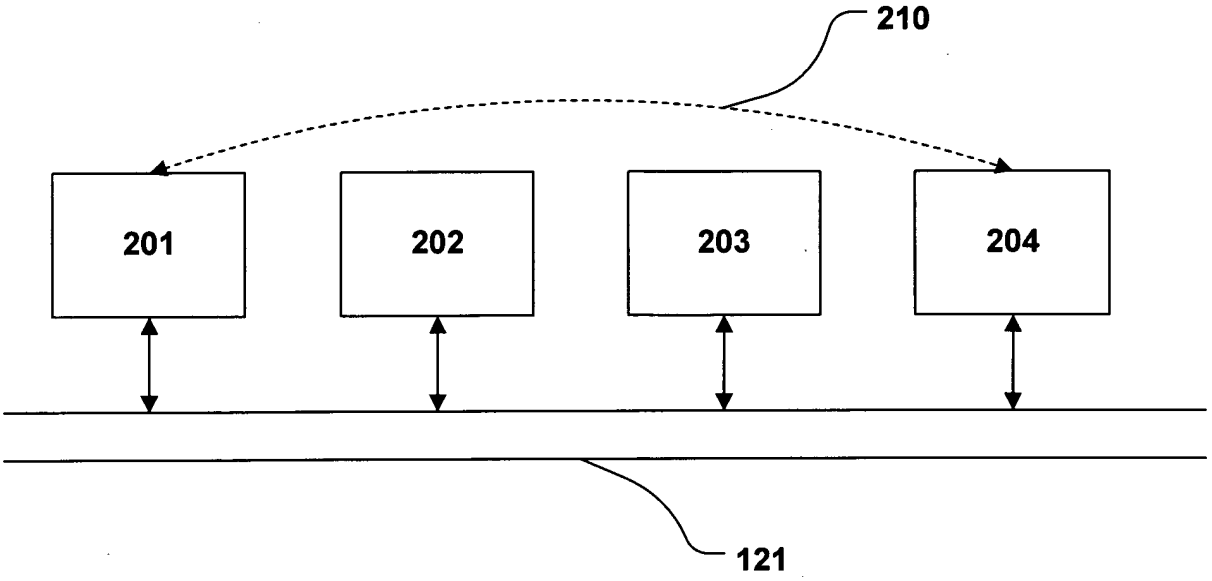
210
201
202
203
204
121

FIG. 2

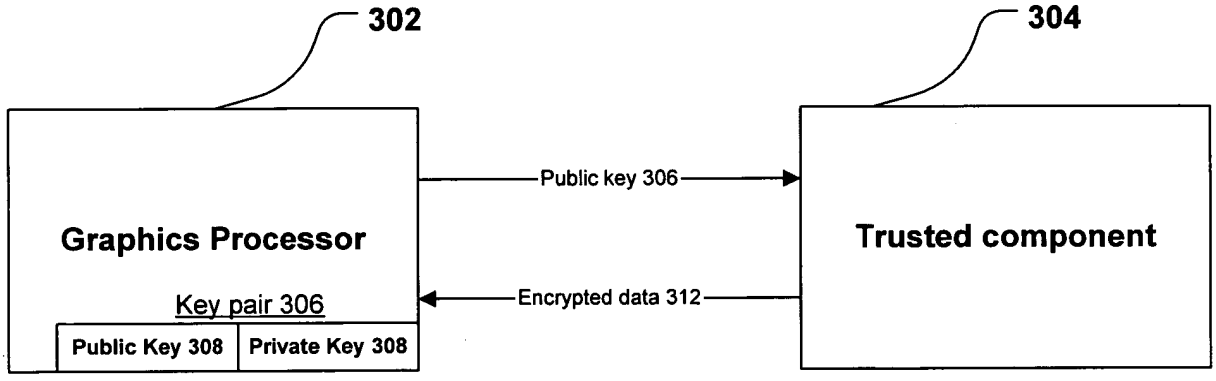
302
304
Graphics Processor
Key pair 306
Public Key 308
Private Key 308
Public key 306
Encrypted data 312
Trusted component

FIG. 3

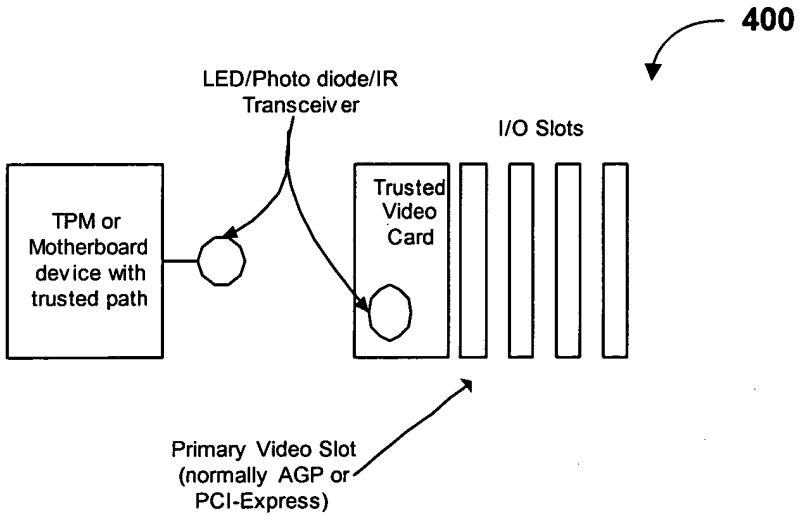
400
LED/Photo diode/IR Transceiver
I/O Slots
TPM or Motherboard device with trusted path
Trusted Video Card
Primary Video Slot (normally AGP or PCI-Express)

FIG. 4

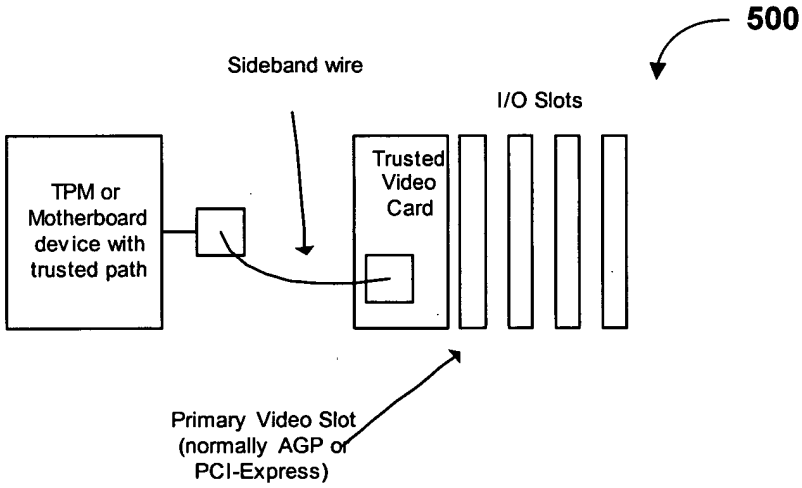
500
Sideband wire
I/O Slots
TPM or Motherboard device with trusted path
Trusted Video Card
Primary Video Slot (normally AGP or PCI-Express)

FIG. 5

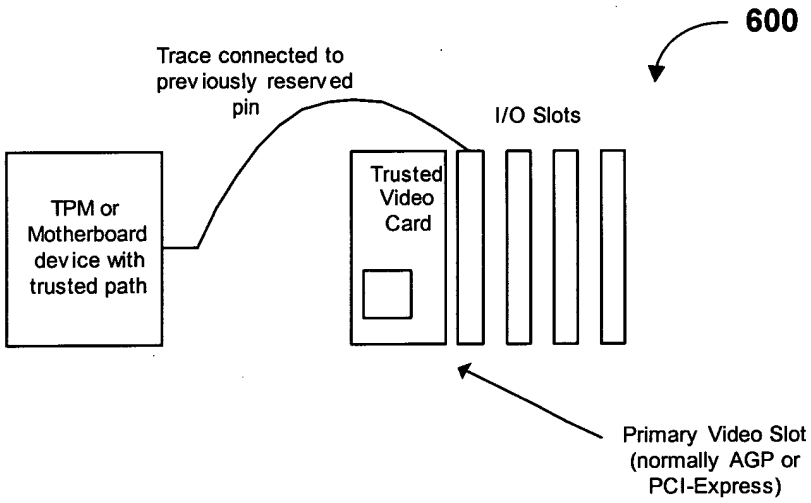
600
Trace connected to previously reserved pin
I/O Slots
TPM or Motherboard device with trusted path
Trusted Video Card
Primary Video Slot (normally AGP or PCI-Express)

FIG. 6

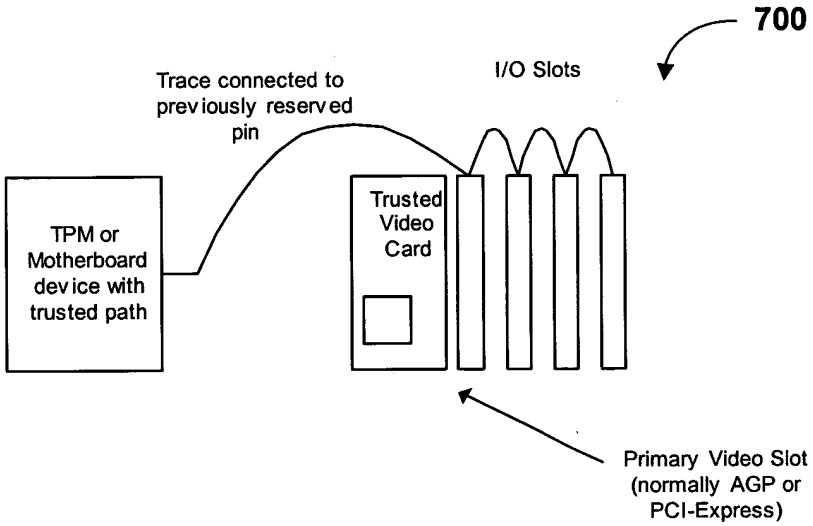
700
I/O Slots
Trace connected to previously reserved pin
TPM or Motherboard device with trusted path
Trusted Video Card
Primary Video Slot (normally AGP or PCI-Express)

FIG. 7

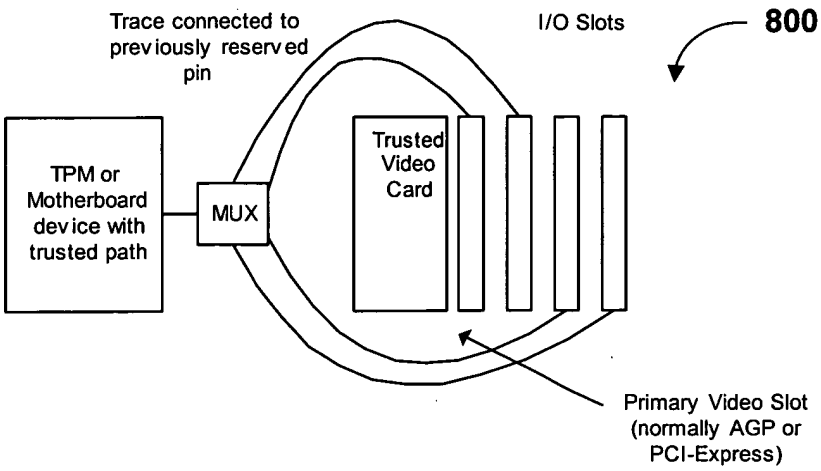
Trace connected to previously reserved pin
I/O Slots
800
TPM or Motherboard device with trusted path
MUX
Trusted Video Card
Primary Video Slot (normally AGP or PCI-Express)

FIG. 8

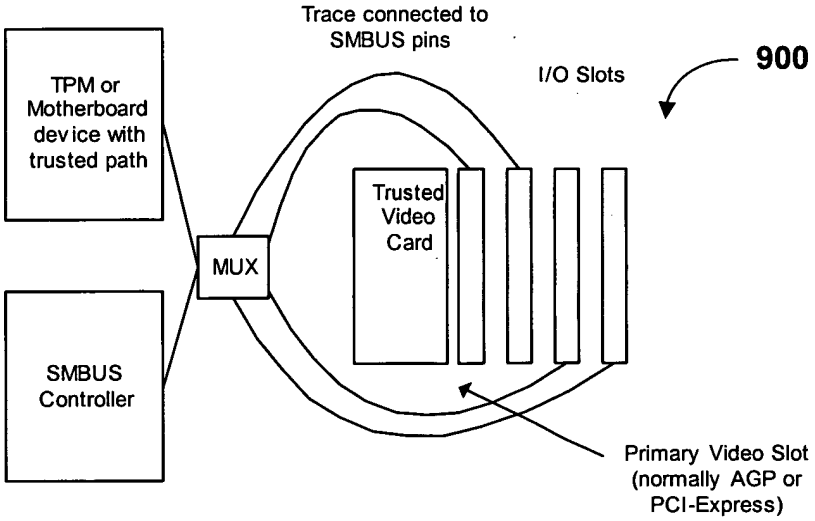
Trace connected to SMBUS pins
I/O Slots
900
TPM or Motherboard device with trusted path
MUX
Trusted Video Card
SMBUS Controller
Primary Video Slot (normally AGP or PCI-Express)

FIG. 9

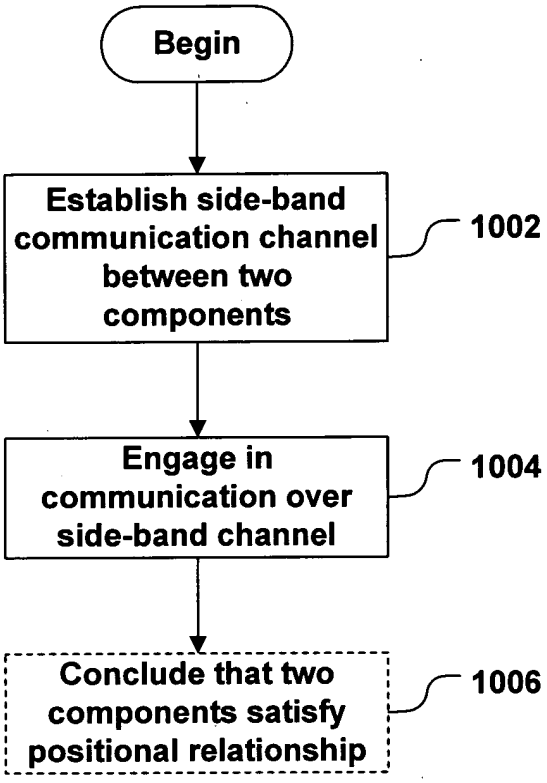
Begin
Establish side-band communication channel between two components
1002
Engage in communication over side-band channel
1004
Conclude that two components satisfy positional relationship
1006

FIG. 10

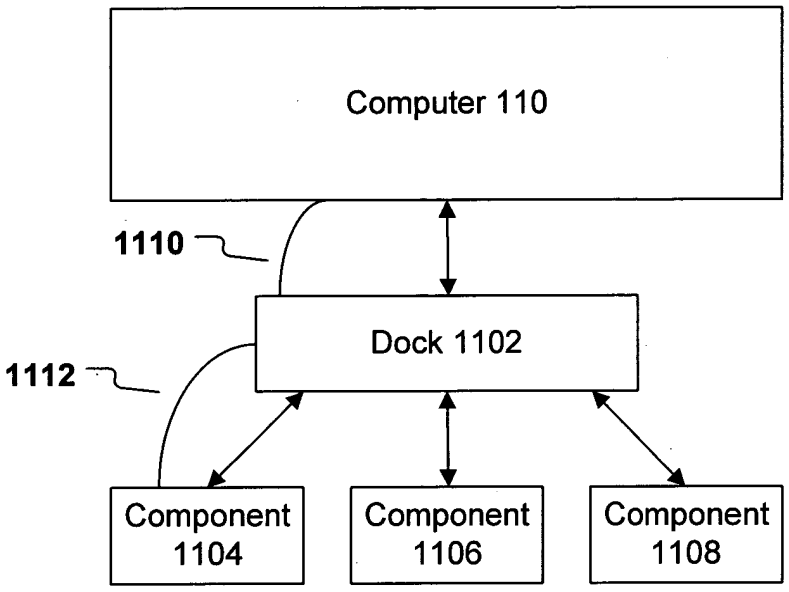
Computer 110
1110
Dock 1102
1112
Component 1104
Component 1106
Component 1108

FIG. 11